

Oxford Catchment Study

Oxford

19 Nov 2015



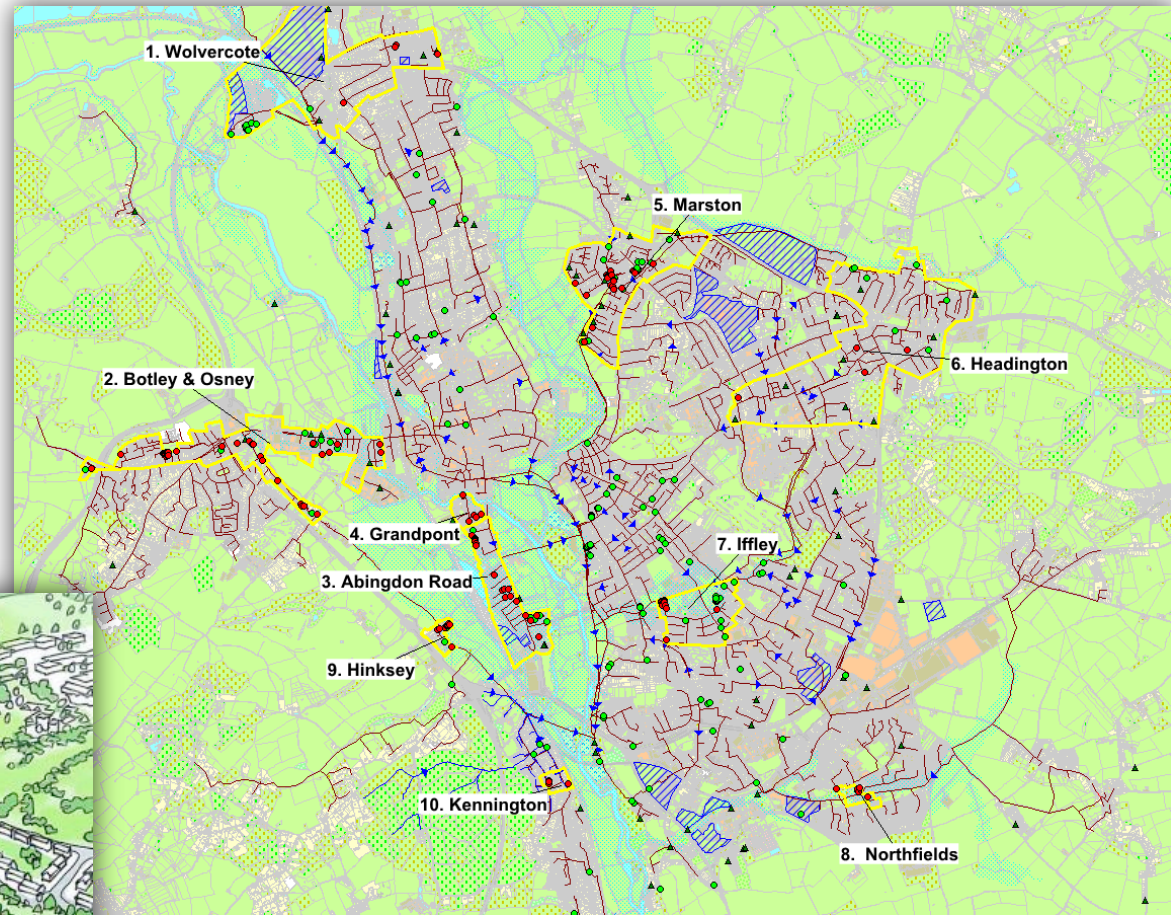
Agenda

- Catchment studies introduction / drivers.
- Where we are in the process.
- Flooding focus areas.
- Stakeholder engagement.
- River modelling and working with the EA.
- Minor issues identified and resolved.
- Next Steps.
- Contacts and Website.



Catchment Drivers

- Sewer Flooding
- Growth
- Pollution



Barton Park

Where we are in the process

Phase 1 – Year 0 (2014-15)

- Gather Customer Evidence ✓
- Catchment flow monitoring. Approx. 70 FMs ✓
- Manhole Surveys. Approx. 100 No. ✓
- Update Models ✓
- Determine Key Stakeholders ✓
- Prepare Funding papers for Phase 2 ✓

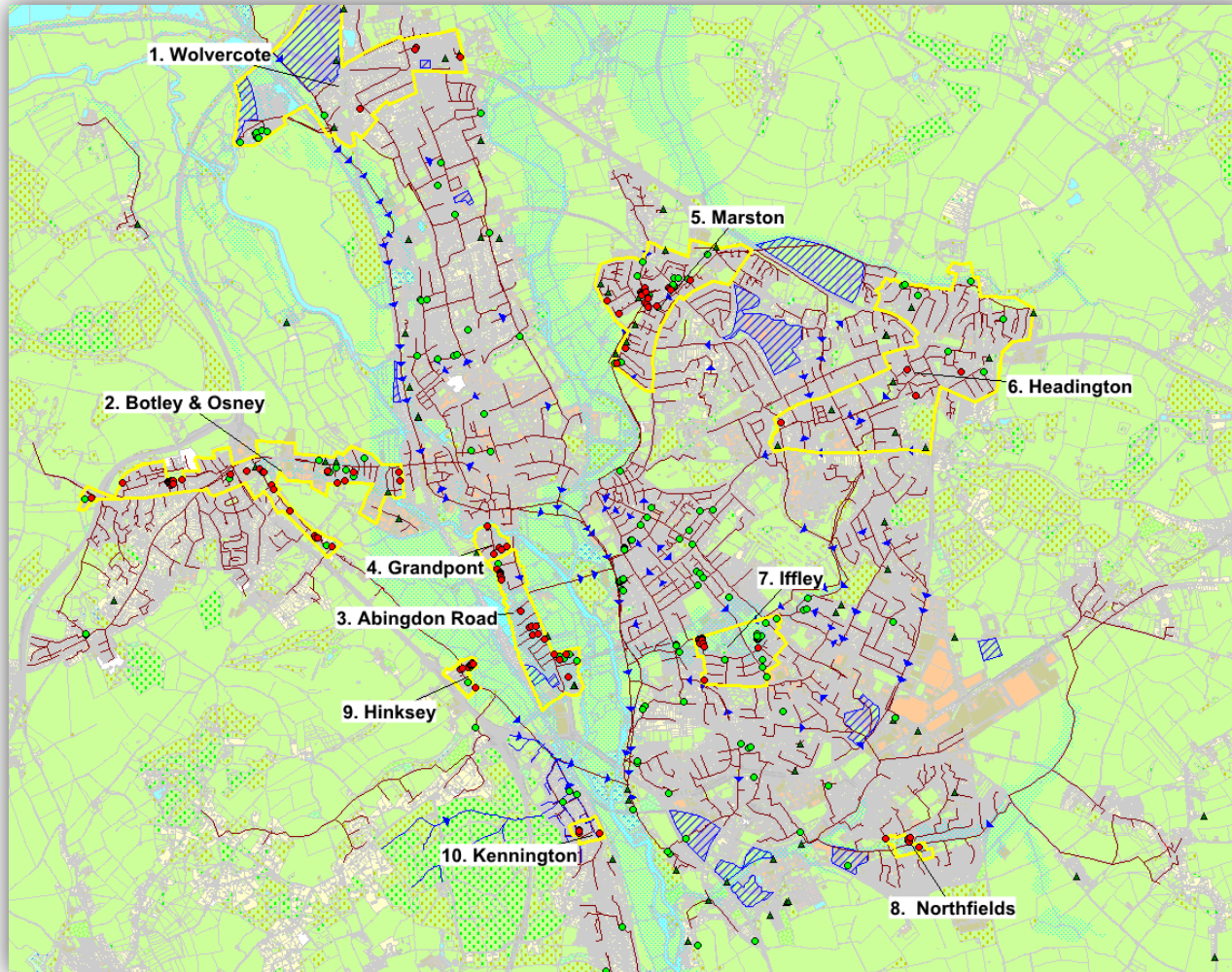
Phase 2 – Year 1 (2015-16)

- Focus on pilot areas ✓
- Targeted flow monitoring / asset surveys / sewer cleansing ✓
- Validation of catchment needs e.g. Customer surveys ✓
- Completion of Model Verification ✓
- Stakeholder engagement / consultations ✓

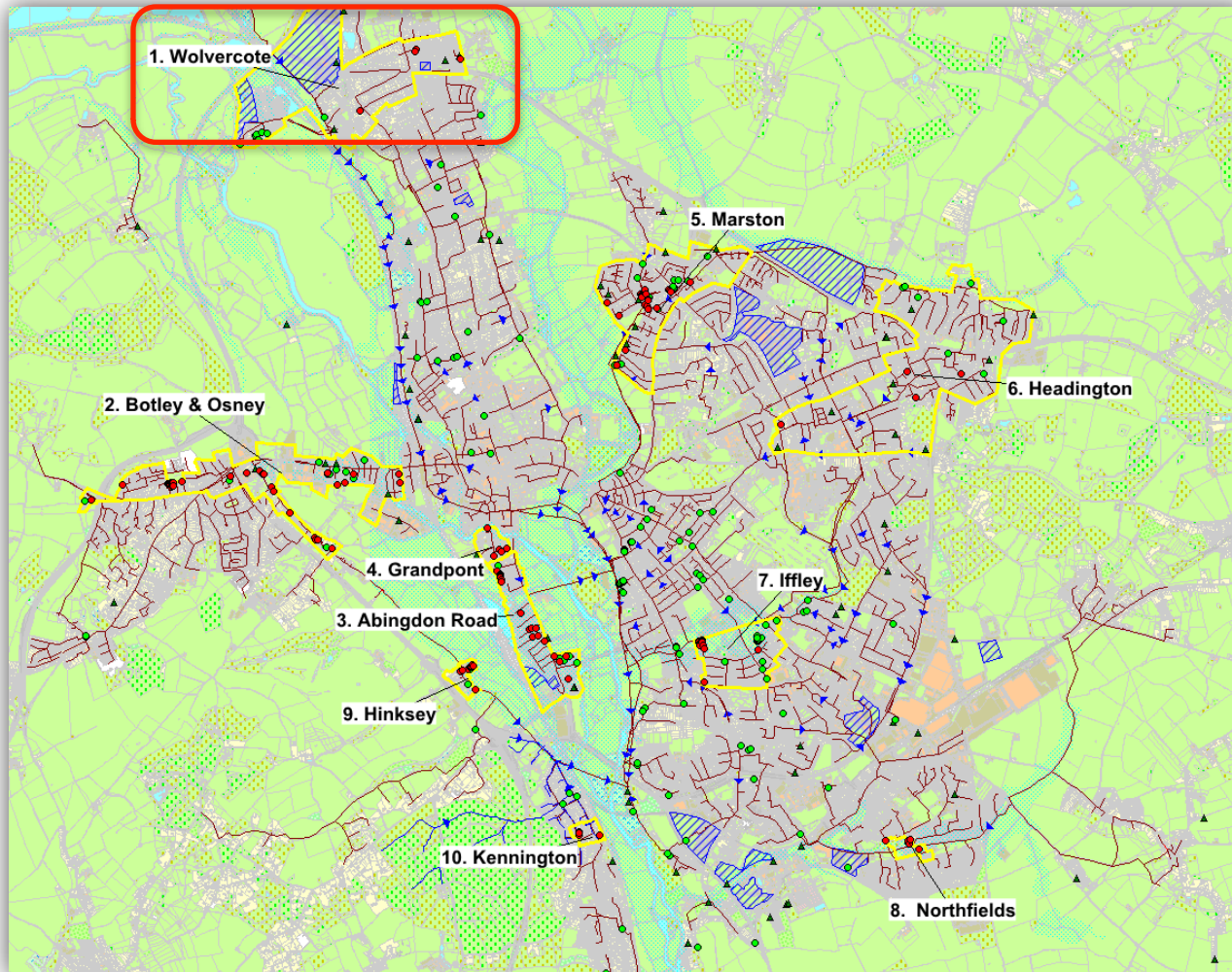
Phase 3 – Year 2 (2016-17)

- Solution Development

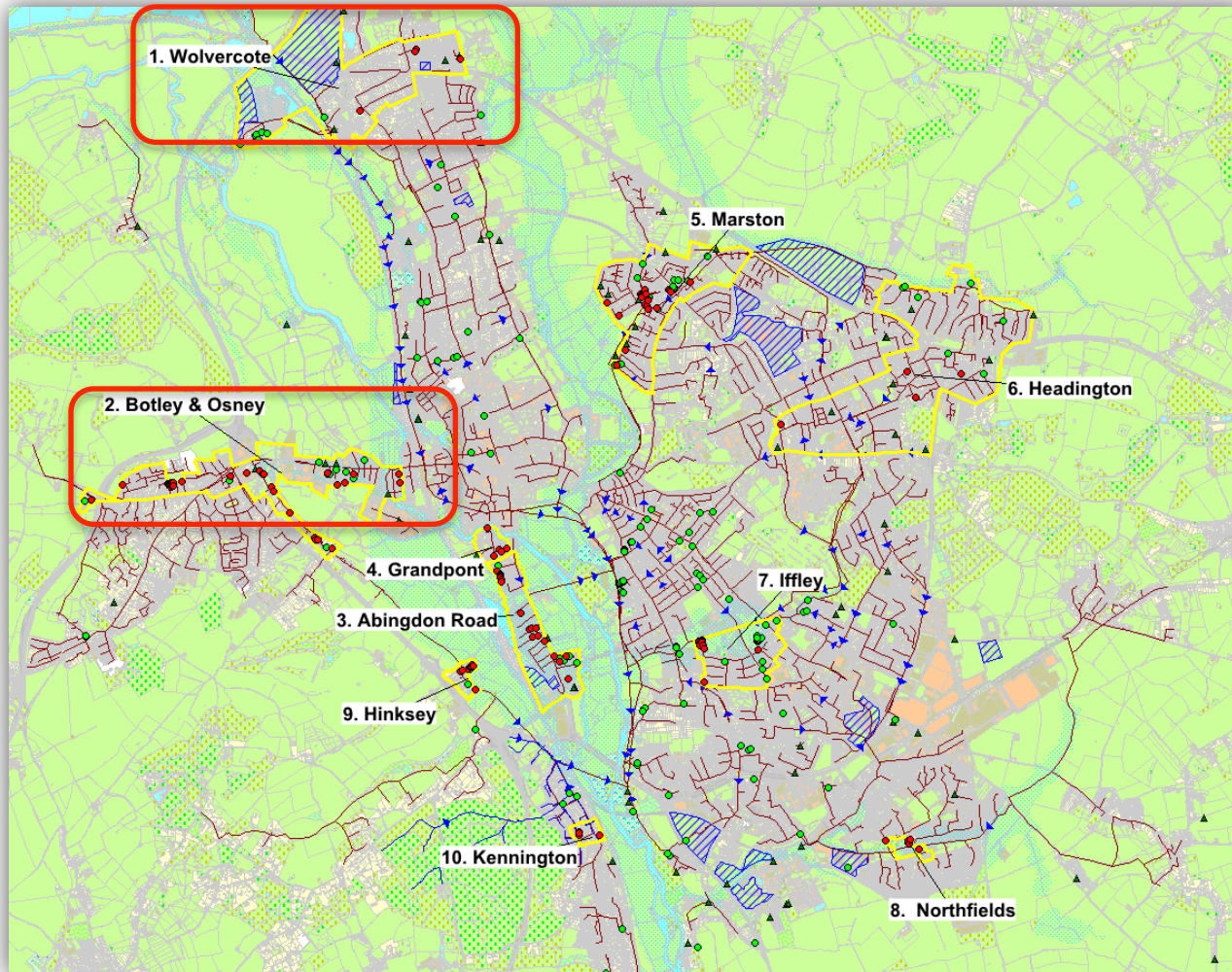
Flooding Focus Areas



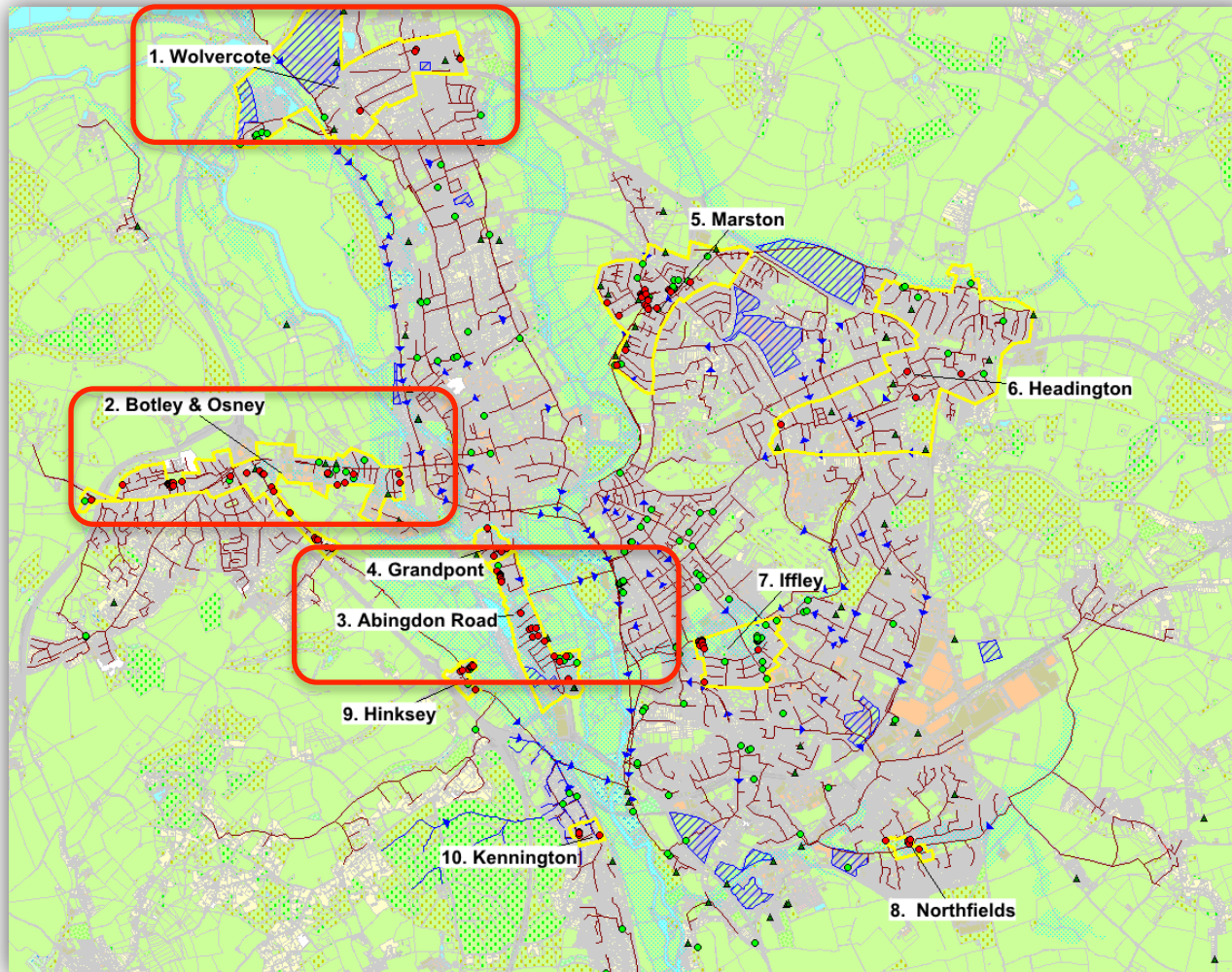
Flooding Focus Areas



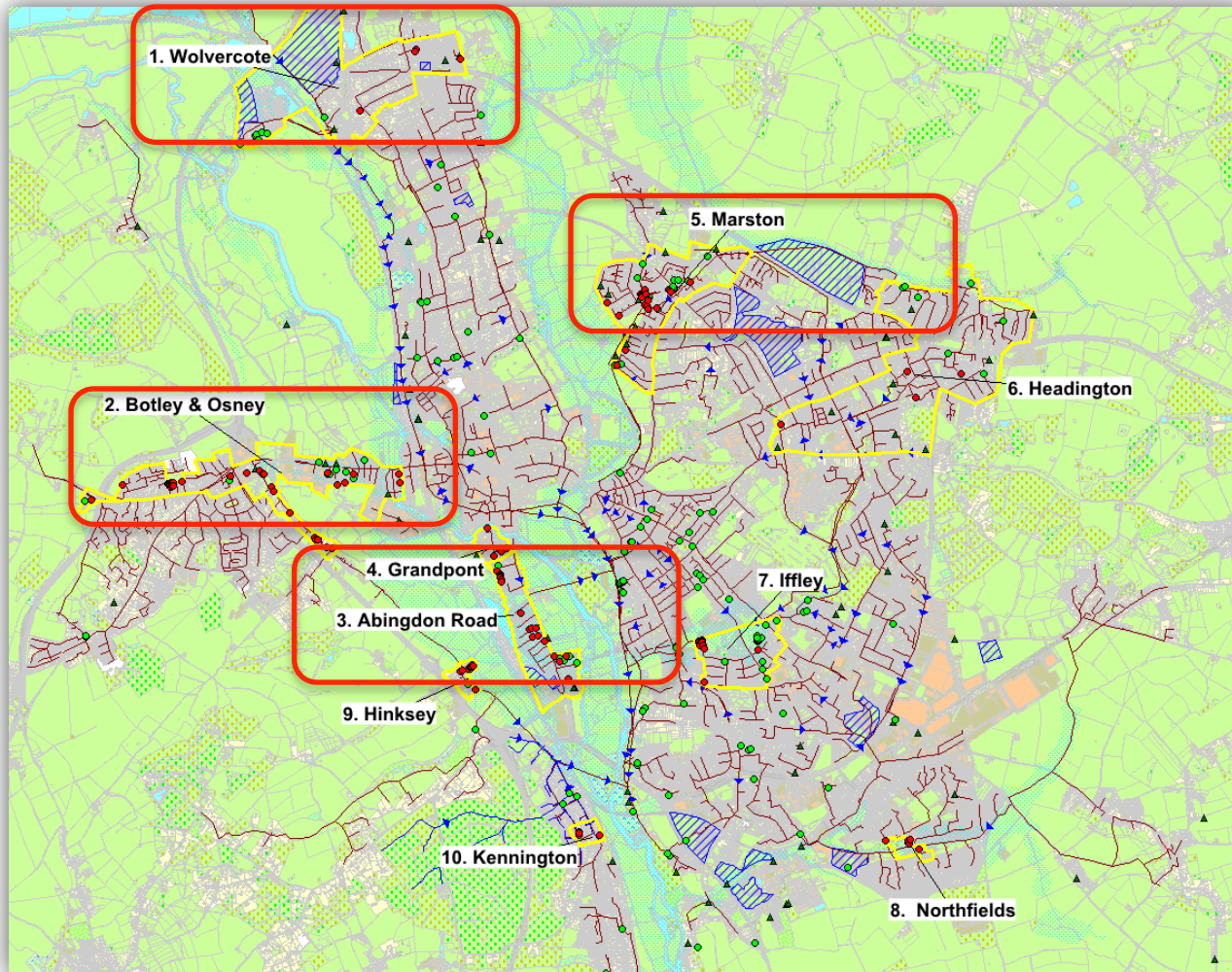
Flooding Focus Areas



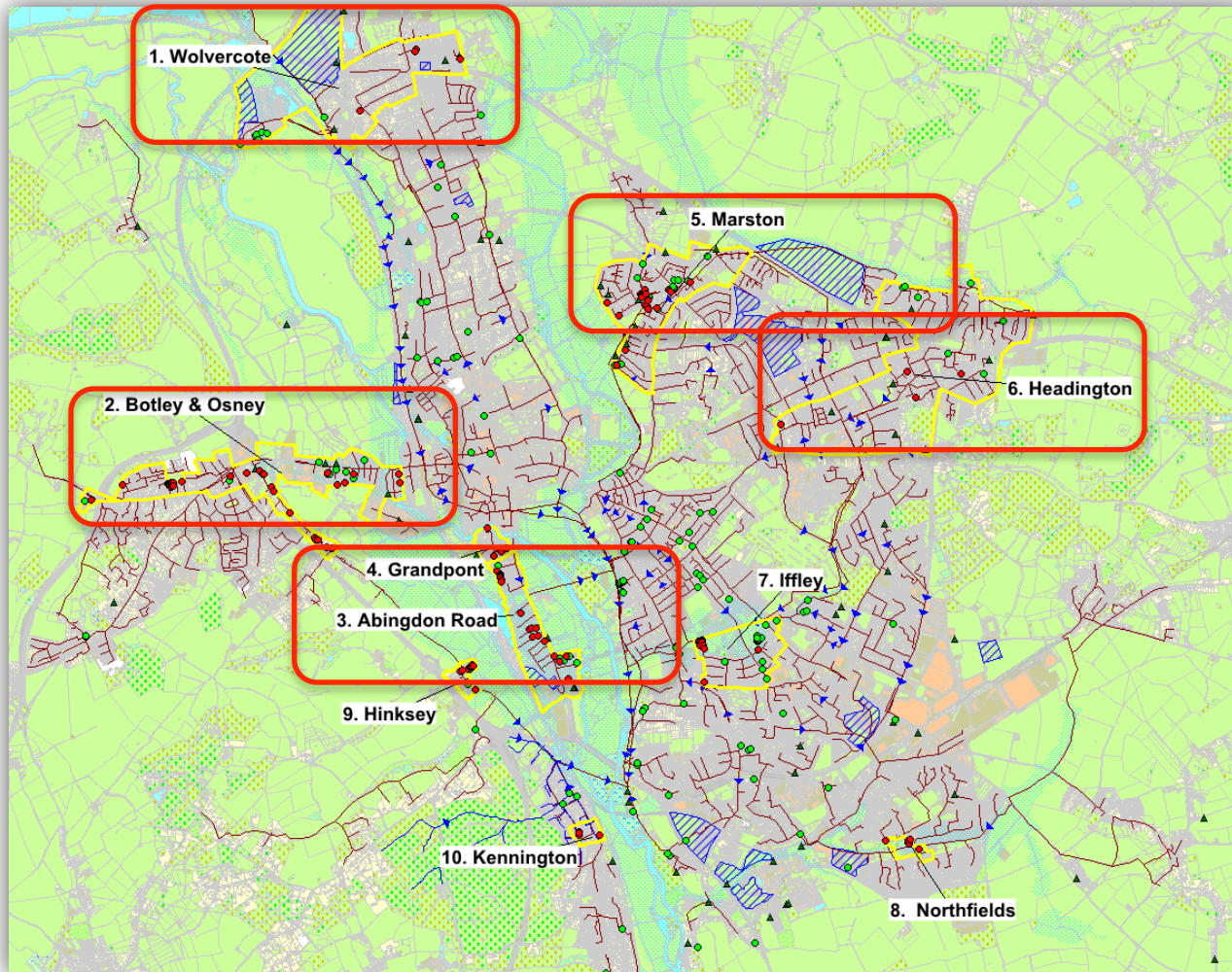
Flooding Focus Areas



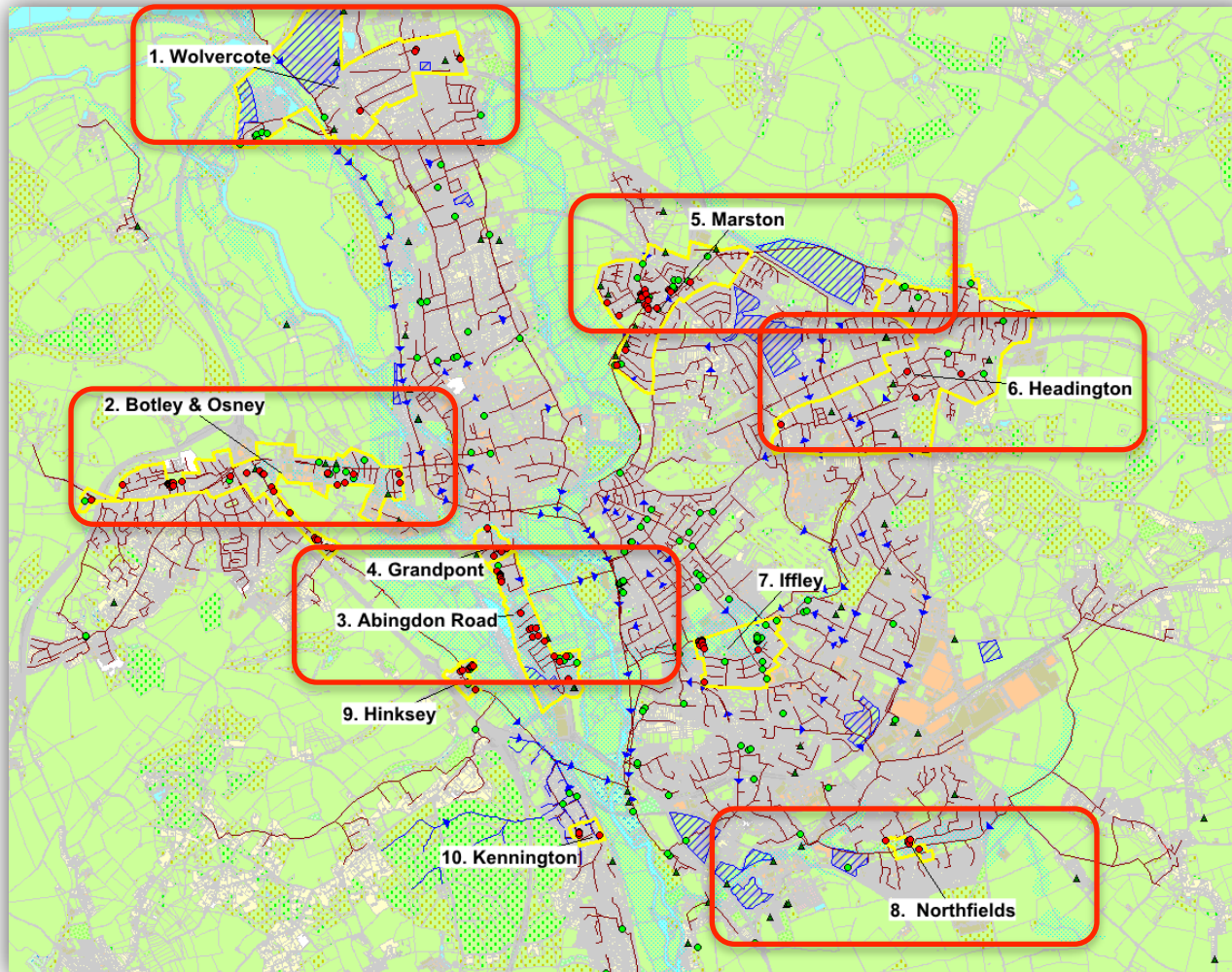
Flooding Focus Areas



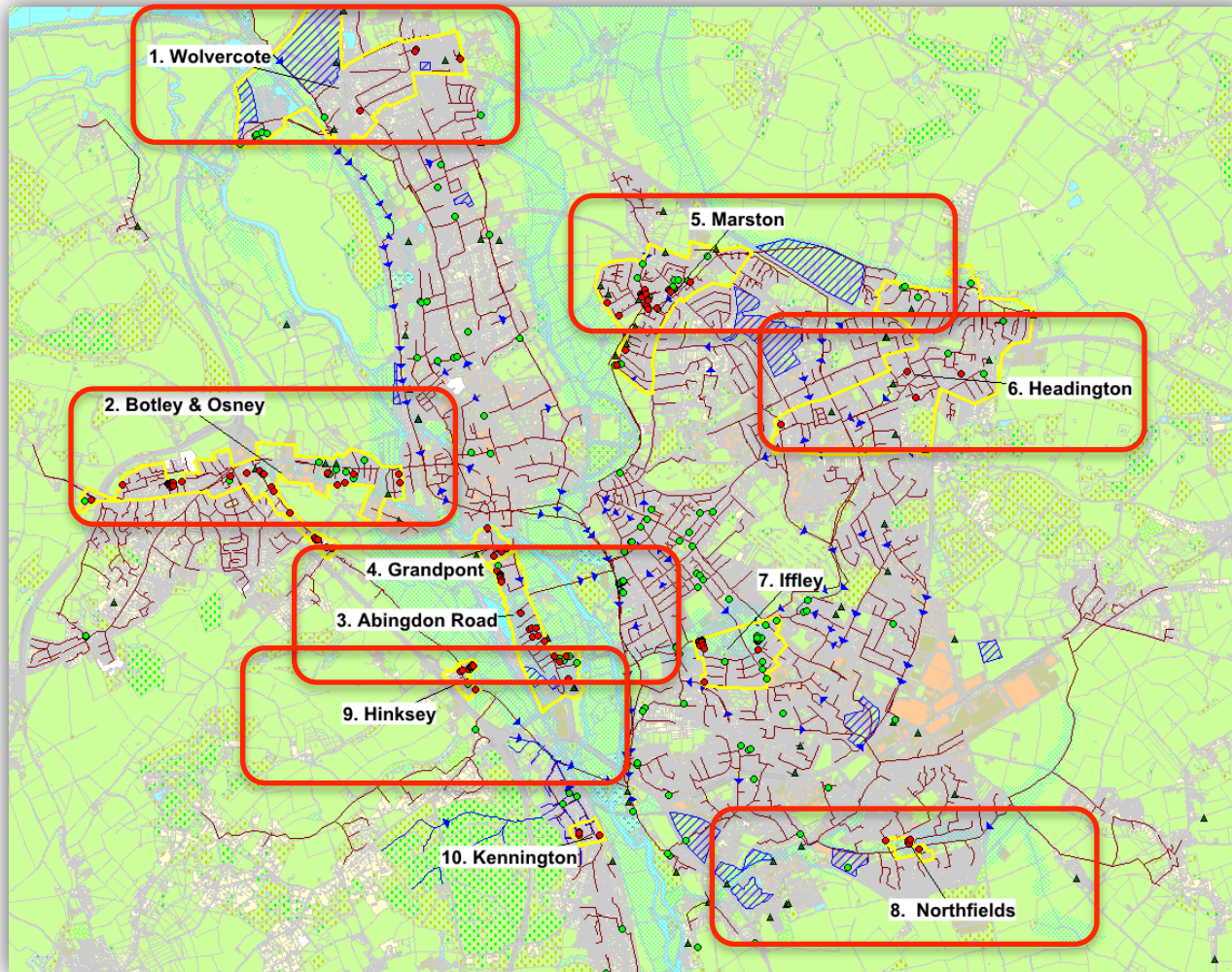
Flooding Focus Areas



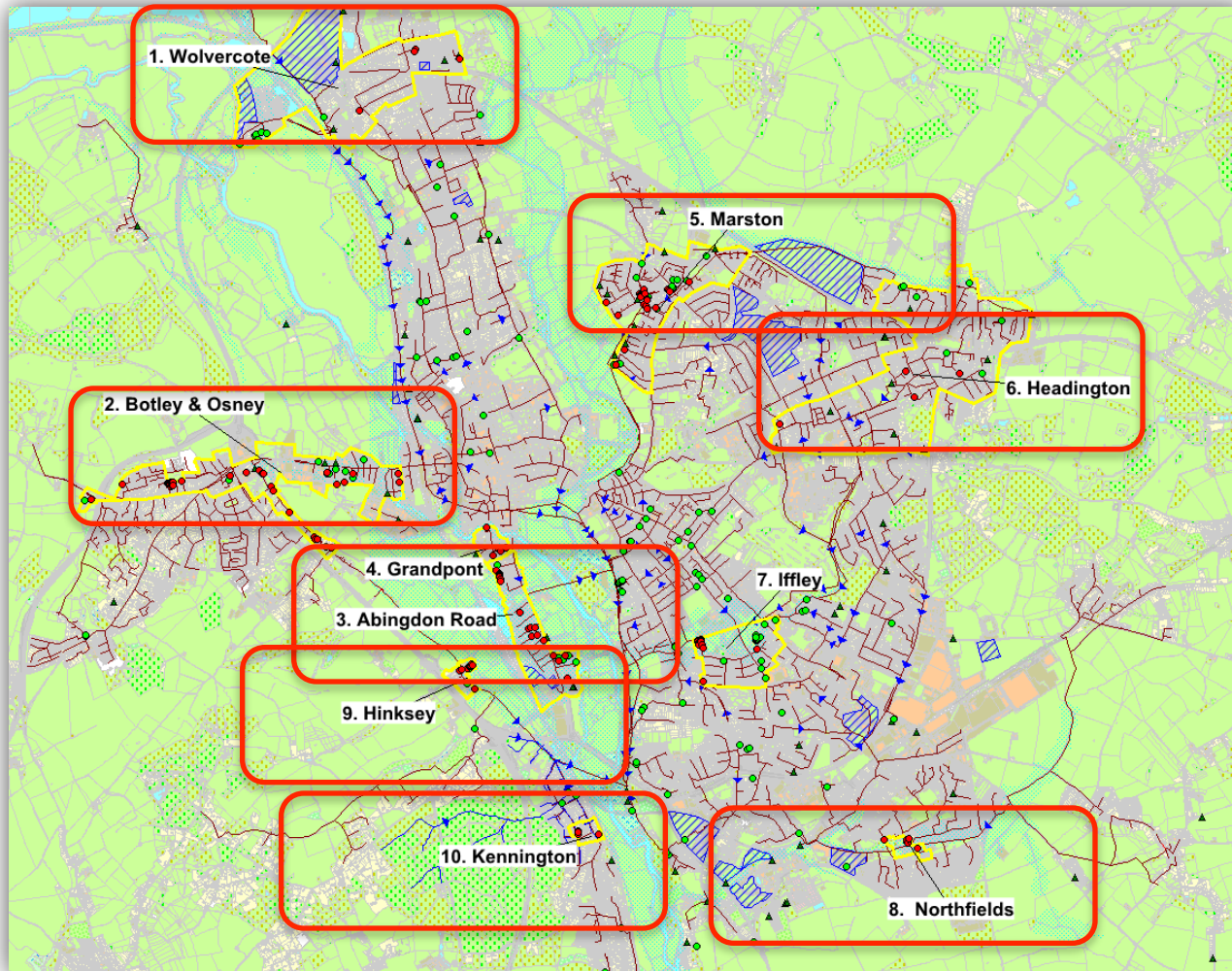
Flooding Focus Areas



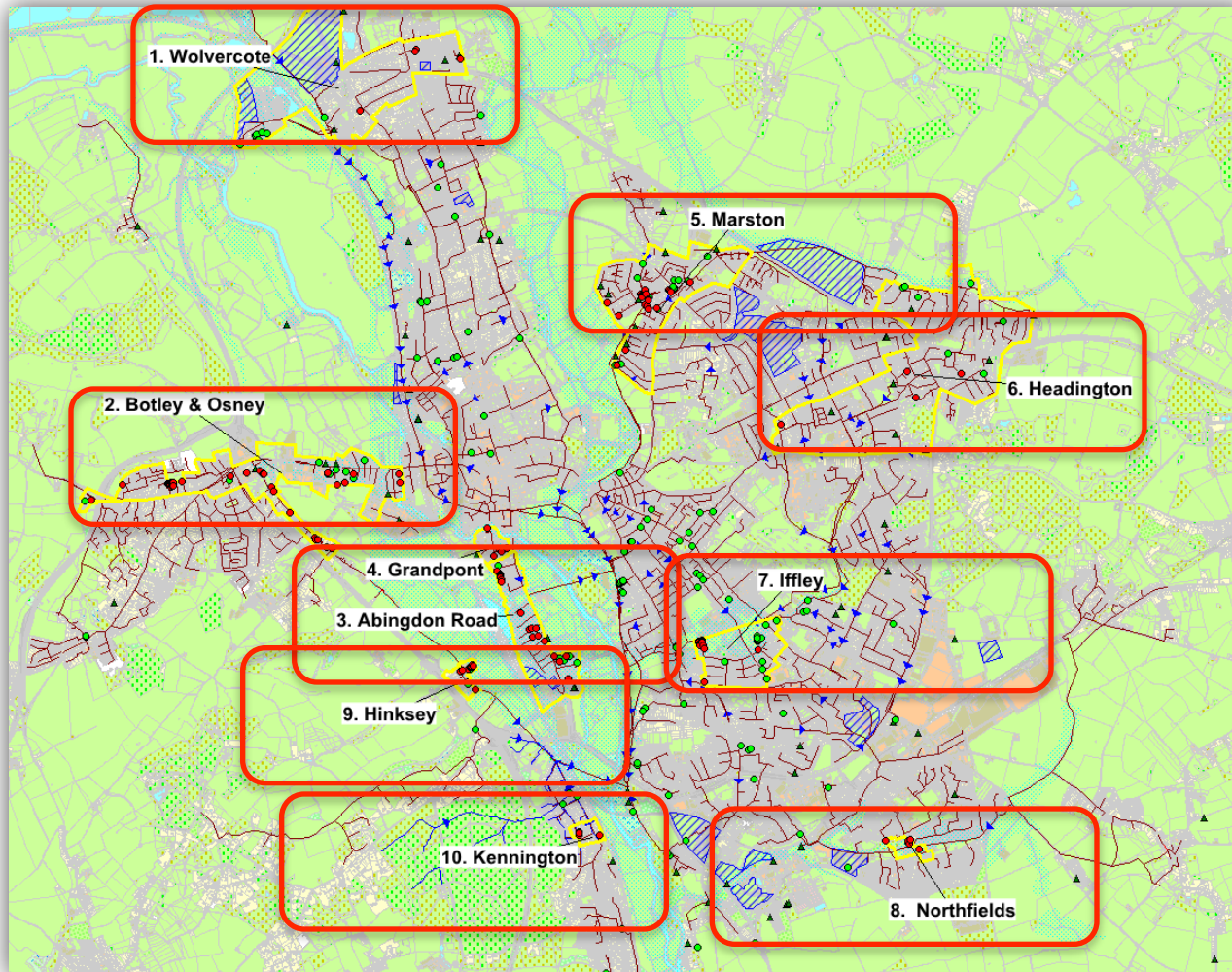
Flooding Focus Areas



Flooding Focus Areas



Flooding Focus Areas

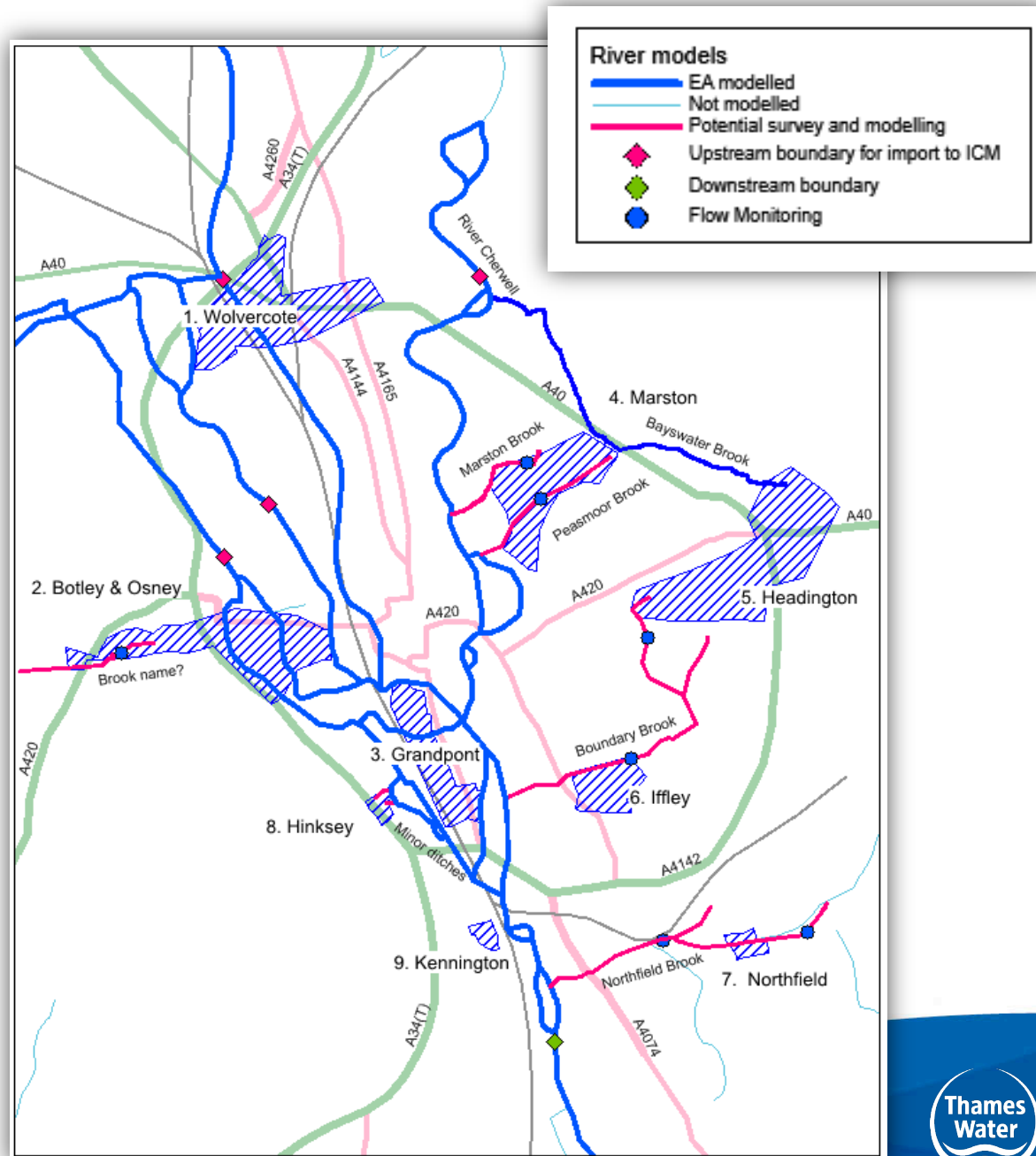


Stakeholder engagement summary

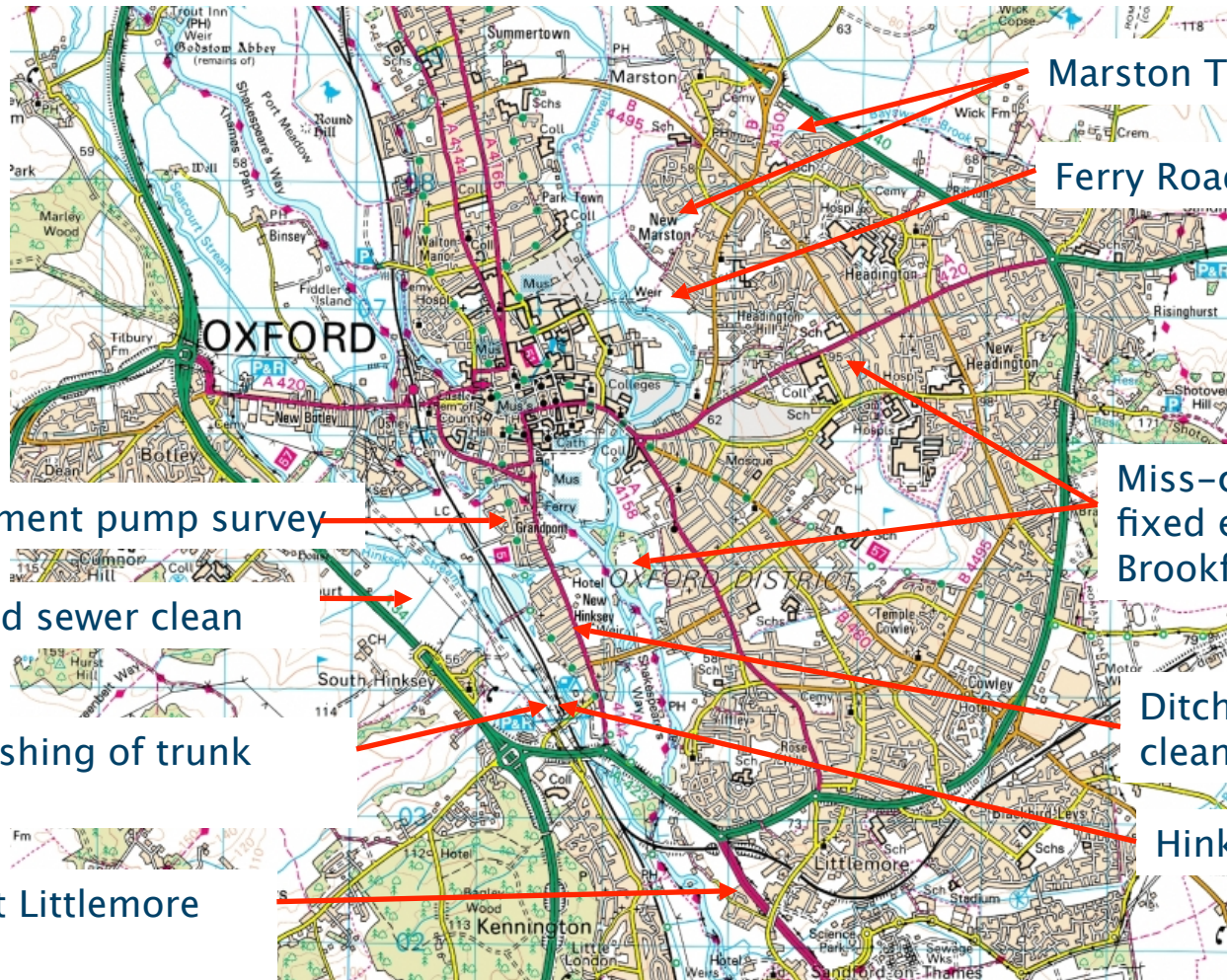
	2014			2015											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
IAG Meetings						✓			✓					✓	
TW Operations / Trunk sewer team		✓		✓									✓		
Littlemore SPS specific											✓	✓	✓		
Councils including Grandpont specific	✓			✓			✓		✓	✓					
Flood groups		✓			✓										
Public events (OFAS)	✓								✓						
EA		✓			✓						✓	✓	✓		

River modelling

- Initial start up meeting with EA
- Modelling workshop with EA
- Data sharing. TW to investigate:
 - Marston
 - Iffley
 - Northfields
 - Abingdon Road



Minor issues resolved and other work



Marston Tanks pre-winter health check

Ferry Road tanks - blockages cleared

Grandpont basement pump survey

Miss-connections traced and fixed e.g. Meadow Lane, Brookfield Road

Hinksey tank and sewer clean

Ditch in SPS compound cleaned Abingdon Road

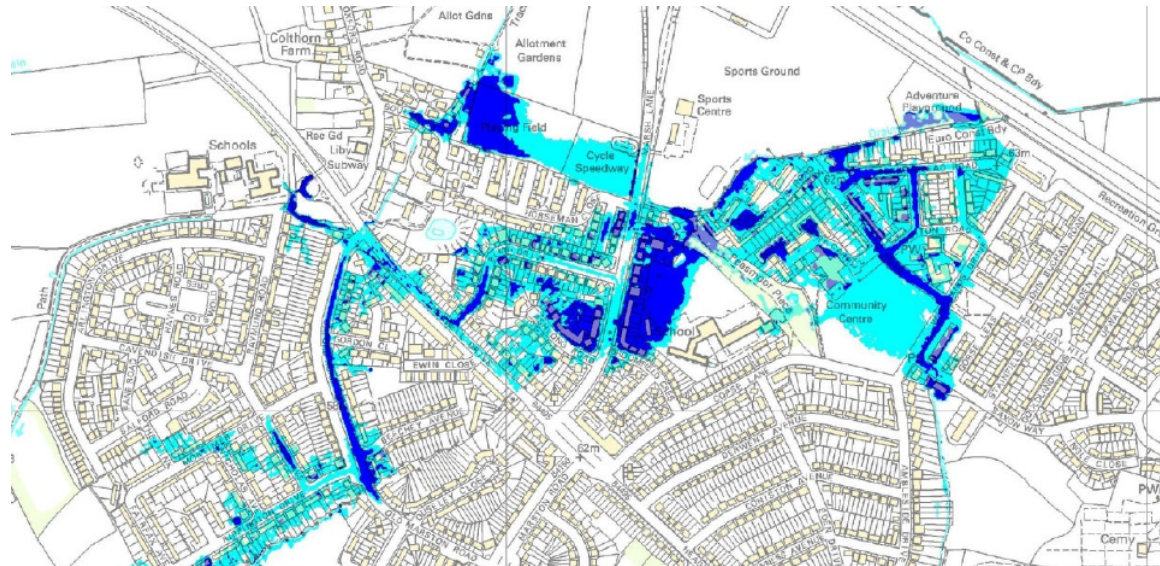
Cleaning / flushing of trunk sewers

Hinksey Stream cleared

New pumps at Littlemore SPS

Next Steps

- Trunk sewer model calibration (20 FM survey starting Nov 2015)
- Integrated Catchment Modelling.

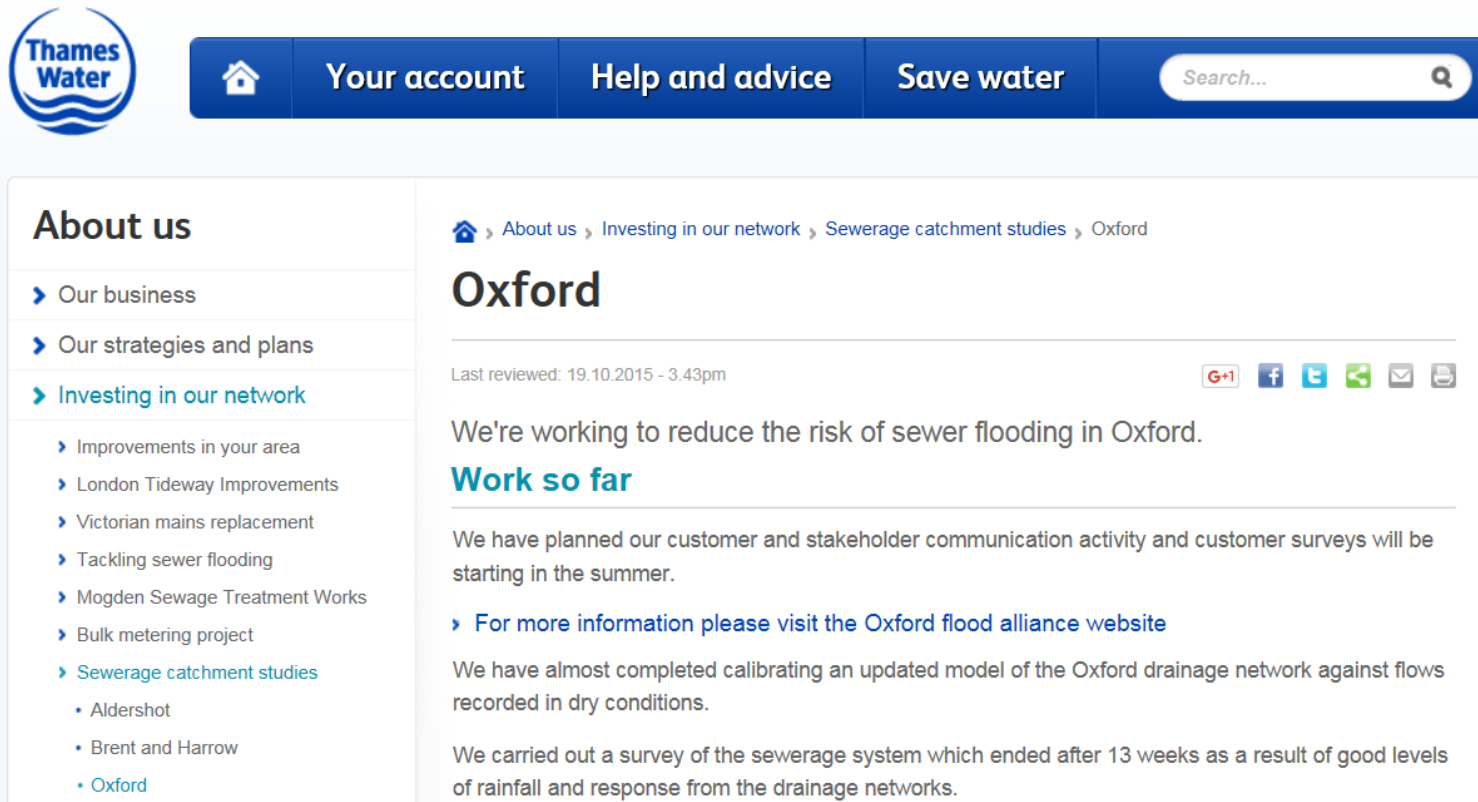


- Future scenario modelling (accommodating growth).
- Presence at the next round of O.F.A.S events in January 2016.
- Optioneering.

Website and Contacts (?)

<http://www.thameswater.co.uk/about-us/18594.htm> or, enter:

‘Oxford Catchment Study’ into a search engine



The screenshot shows the Thames Water website navigation bar with the logo on the left and menu items: Home, Your account, Help and advice, Save water, and a search bar. The main content area is titled 'About us' and includes a sidebar with a list of links. The main content area has a breadcrumb trail: Home > About us > Investing in our network > Sewerage catchment studies > Oxford. The main heading is 'Oxford' with a sub-heading 'Work so far'. The text states: 'We're working to reduce the risk of sewer flooding in Oxford. We have planned our customer and stakeholder communication activity and customer surveys will be starting in the summer. For more information please visit the Oxford flood alliance website. We have almost completed calibrating an updated model of the Oxford drainage network against flows recorded in dry conditions. We carried out a survey of the sewerage system which ended after 13 weeks as a result of good levels of rainfall and response from the drainage networks.'

About us

- › Our business
- › Our strategies and plans
- › Investing in our network
 - › Improvements in your area
 - › London Tideway Improvements
 - › Victorian mains replacement
 - › Tackling sewer flooding
 - › Mogden Sewage Treatment Works
 - › Bulk metering project
 - › Sewerage catchment studies
 - Aldershot
 - Brent and Harrow
 - Oxford

Home > About us > Investing in our network > Sewerage catchment studies > Oxford

Oxford

Last reviewed: 19.10.2015 - 3.43pm

We're working to reduce the risk of sewer flooding in Oxford.

Work so far

We have planned our customer and stakeholder communication activity and customer surveys will be starting in the summer.

- › For more information please visit the [Oxford flood alliance website](#)

We have almost completed calibrating an updated model of the Oxford drainage network against flows recorded in dry conditions.

We carried out a survey of the sewerage system which ended after 13 weeks as a result of good levels of rainfall and response from the drainage networks.

James.Playfair@thameswater.co.uk



